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(54) SILVER ALLOY FOR DISPLAY DEVICE, AND DISPLAY DEVICE USING ELECTRODE FILM OR REFLECTION FILM FORMED BY USING THE SILVER ALLOY

(57)Abstract:
PROBLEM TO BE SOLVED: To provide a silver alloy which has low electric resistance, is excellent in adhesion with a nonmetallic material and corrosion resistance, also has high reflectivity and high thermal stability, and is suitably used as the electrode film or reflection film of various display devices, and to provide a display device capable of a high definition display by using the silver alloy thin film as the electrode film.
SOLUTION: The silver alloy for a display device has a composition consisting essentially of Ag, and comprising 0.001 to 0.1 mass% of one or more kinds of elements selected from the group consisting of Ca, Sr, Ba, Y, La, Ce, Pr, Nd, Sm, Eu, Zr, Cr, W, Ru and Ni, and the balance inevitable impurities. The silver alloy preferably comprises 0.1 to 5 wt.% of one or more kinds of elements selected from the group consisting of Zn, Mg, Au, Pd, Cu, Sn and In as well. The film formed using the silver alloy as a target can be used as the electrode film or reflection film of various display devices.

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